Smart Skies			
2004 Science			
Grade Level Expectations			
Louisiana Science			
Grade 5			
Activity/Lesson	**State**	**Standards**	
Fly by Math	LA	SCI.5.SI.8	Use consistency and precision in data collection, analysis, and reporting
Fly by Math	LA	SCI.5.SI.11	Construct, use, and interpret appropriate graphical representations to collect, record, and report data (e.g., tables, charts, circle graphs, bar and line graphs, diagrams, scatter plots, symbols)
Fly by Math	LA	SCI.5.PS.7	Compare, calculate, and graph the average speeds of objects in motion using both metric system and U.S. system units
Fly by Math	LA	SCI.5.PS.9	Demonstrate a change in speed or direction of an object's motion with the use of unbalanced forces
Line Up with Math	LA	SCI.5.PS.7	Compare, calculate, and graph the average speeds of objects in motion using both metric system and U.S. system units
Line Up with Math	LA	SCI.5.PS.9	Demonstrate a change in speed or direction of an object's motion with the use of unbalanced forces
Smart Skies			
2004 Science			
Grade Level Expectations			
Louisiana Science			
Grade 6			
Activity/Lesson	**State**	**Standards**	
Fly by Math	LA	SCI.6.SI.11	Construct, use, and interpret appropriate graphical representations to collect, record, and report data (e.g., tables, charts, circle graphs, bar and line graphs, diagrams, scatter plots, symbols)
Fly by Math	LA	SCI.6.PS.14	Construct and analyze graphs that represent one-dimensional motion (i.e., motion in a straight line) and predict the future positions and speed of a moving object
Fly by Math	LA	SCI.6.PS.16	Compare line graphs of acceleration, constant speed, and deceleration
Line Up with Math	LA	SCI.6.PS.14	Construct and analyze graphs that represent one-dimensional motion (i.e., motion in a straight line) and predict the future positions and speed of a moving object
Line Up with Math	LA	SCI.6.PS.15	Explain why velocity is expressed in both speed and direction
Line Up with Math	LA	SCI.6.PS.16	Compare line graphs of acceleration, constant speed, and deceleration
Smart Skies			

2004 Science			
Grade Level Expectations			
Louisiana Science			
Grade 7			
Activity/Lesson	**State**	**Standards**	
Fly by Math	LA	SCI.7.SI.8	Use consistency and precision in data collection, analysis, and reporting
Fly by Math	LA	SCI.7.SI.9	Use computers and/or calculators to analyze and interpret quantitative data
Fly by Math	LA	SCI.7.SI.11	Construct, use, and interpret appropriate graphical representations to collect, record, and report data (e.g., tables, charts, circle graphs, bar and line graphs, diagrams, scatter plots, symbols)
Smart Skies			
2004 Science			
Grade Level Expectations			
Louisiana Science			
Grade 8			
Activity/Lesson	**State**	**Standards**	
Fly by Math	LA	SCI.8.SI.8	Use consistency and precision in data collection, analysis, and reporting
Fly by Math	LA	SCI.8.SI.9	Use computers and/or calculators to analyze and interpret quantitative data
Fly by Math	LA	SCI.8.SI.11	Construct, use, and interpret appropriate graphical representations to collect, record, and report data (e.g., tables, charts, circle graphs, bar and line graphs, diagrams, scatter plots, symbols)
Smart Skies			
2004 Science			
Grade Level Expectations			
Louisiana Science			
Grade 9			
Activity/Lesson	**State**	**Standards**	
Fly by Math	LA	SCI.9.PS.31	Differentiate between speed and velocity
Fly by Math	LA	SCI.9.PS.34	Demonstrate Newton's three laws of motion (e.g., inertia, net force using F = ma, equal and opposite forces)
Fly by Math	LA	SCI.9.PS.35	Describe and demonstrate the motion of common objects in terms of the position of the observer
Line Up with Math	LA	SCI.9.PS.31	Differentiate between speed and velocity
Line Up with Math	LA	SCI.9.PS.35	Describe and demonstrate the motion of common objects in terms of the position of the observer